



University of Colorado  
Boulder | Colorado Springs | Denver | Anschutz Medical Campus

*UCB Systems Biotechnology Building,  
Academic Wing*

Summary of Capital Construction Request	Total Funds*	CCFE
FY 2013-14 - Complete Shelled Academic Space	\$6,021,946	\$6,021,946
FY 2014-15 - New Addition	\$31,078,319	\$31,078,319
<i>*\$163M cash-funded, four wing building is now complete on the CU Boulder East Campus</i>		

### Project Request

The Boulder Campus is requesting \$6,021,946 in state capital construction funds in FY 2013-14 to finish the shelled academic space within the university-funded Jennie Smoly Caruthers Biotechnology Building. The \$31,078,319 requested for FY 2014-15 will construct a separate 57,347 GSF academic wing addition to the building. Each phase is a distinct stand-alone project.

### Need

The building design has provided for dedicated teaching space and hands-on learning for students in the laboratory. Once finished, shelled teaching labs and auditoria will house undergraduate student programs such as the **Discovery Learning Apprentice Program** and the **Howard Hughes Biological Sciences Undergraduate Research Assistance Program**. There will be shared desk spaces for undergraduates near the research labs accommodating over 150 undergraduate students working in the laboratories. Space has been designed to cultivate integration of faculty and students. Teaching, visiting, and adjunct faculty offices and shared undergraduate study space is included. The facility will feature highly efficient and flexible lab design supported by state-of-the-art technology, built around the concept of interdisciplinary research and education. Together, these attributes will enhance the success that CU-Boulder has seen in grant awards and technology transfer. It will draw programs together and offer undergraduate students the opportunity to work side-by-side with internationally recognized faculty and research teams. Building educational space also includes an auditorium for large conferences, seminar rooms, classrooms, computer labs, and teaching labs.

Once the shelled space is completed, the new wing is needed to house the Department of Chemical and Biological Engineering. The new space will be used to prepare students for careers in cutting-edge biotechnology research. The vacated space will relieve overcrowding on main campus. The project includes space for teaching laboratories and classrooms needed to support interdisciplinary degree programs. The comprehensive analysis of educational space needs for this facility addresses current and projected student enrollment, degree program growth, courses offered, and specific needs for hands-on, interdisciplinary learning in a research environment. These needs drive the design of classroom, teaching laboratory space, teaching faculty offices, and desk space in the lab area for students engaged in research.

### Background

The university funded Jennie Smoly Caruthers Biotechnology Building is complete with four multistory wings encompassing 336,878 GSF. The building includes educational undergraduate classrooms and teaching laboratories which have been shelled until state funds are available for completion. A combination of university and federal sources provided the initial funding of \$163 million, inclusive of \$15 million in NIH ARRA funds. This separate state appropriation for an additional \$6,021,946 in capital construction funds is now needed to finish the construction of the academic space within the biotechnology building.